

HNC Hydrophones

The HNC Series needle hydrophones are excellent sensors for laboratory use in ultrasonic field mapping, with pinpoint access and good spatial resolution. They exhibit higher sensitivity than the HNP series, with decreased sensitivity flatness and slightly narrower directivity.

Features

- Small size
- High sensitivity
- Range of apertures available
- Very stable
- Low cost

Technical Specifications

	HNC-0400	HNC-1000
Frequency range ($\pm 6\text{dB}$)	1 - 10 MHz	
* EOC Nominal Sensitivity [dB re 1V/uPa]	-259	-245
* EOC Nominal Sensitivity [nV/Pa]	112	562
Acceptance angle (-6dB at 5 MHz)	60°	25°
Capacitance [pF]	70	90
Max. Operating Temperature	50°C	

* EOC ("end of cable") is the open-circuit output sensitivity of the hydrophone. Calibration with an amplifier can be determined from the gain and input impedance of the amplifier.

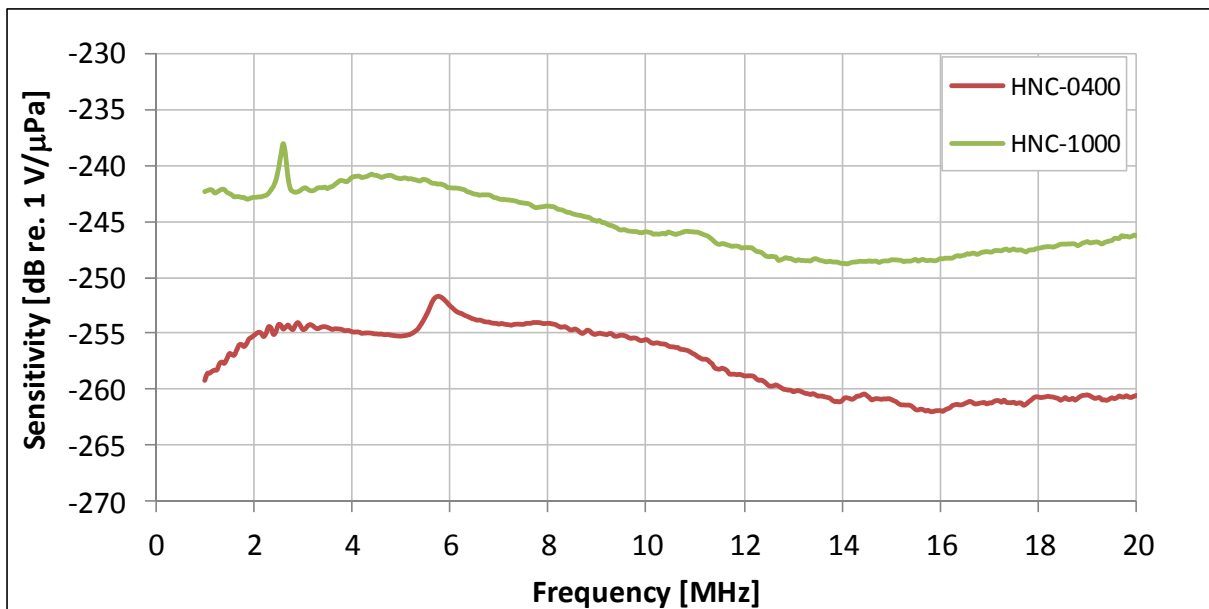
Provided with traceable calibration 1-20 MHz at 50 KHz intervals. For other calibrations available visit our web site.

Specifications are subject to change without notice.

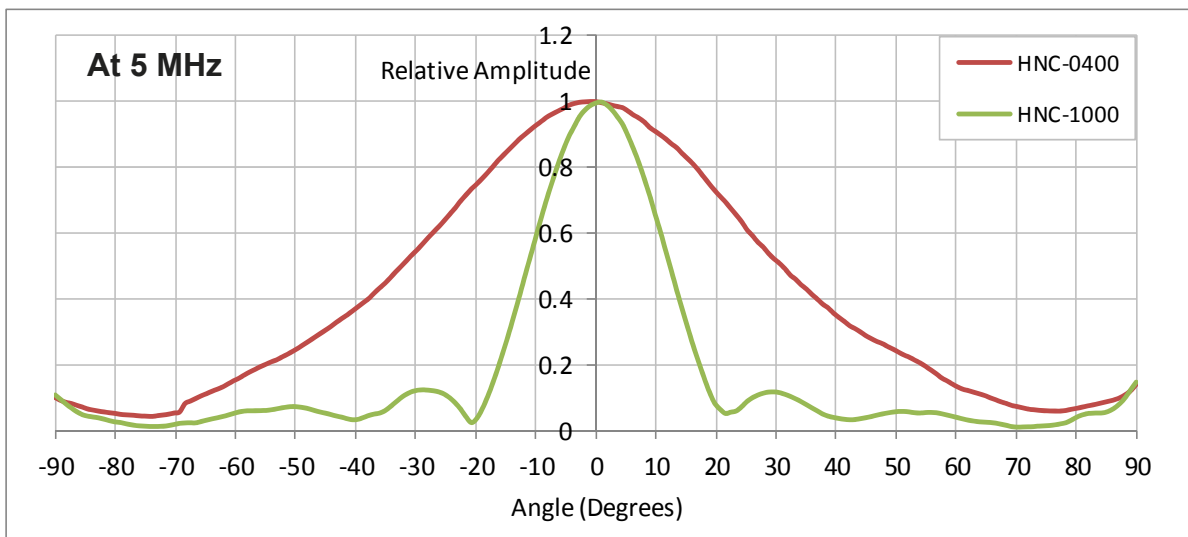


HNC Hydrophone

Typical Sensitivity Plot



Typical Directivity Plot



Mechanical Specifications

